



National Weather Service

Storm Data and Unusual Weather Phenomena



May 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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ILLINOIS, Northwest

ILZ001-007-009-015-024>025-034 **Jo Daviess - Carroll - Whiteside - Rock Island - Mercer - Henderson - Hancock**

01 0100CST 0 0 Flood
30 0600CST

Widespread major to near record flooding continued on the Mississippi River into May. The month began with continued major flooding along the Mississippi River generally from Burlington northward, and moderate flooding south of Burlington. Continued rain, heavy at times, kept the river above flood stage for most of May. In fact heavy rains helped lead to a second crest on the Mississippi River. This second crest was higher than the first crest, from Keithsburg southward. Persistent heavy rains, especially over Southeast Iowa, Northeast Missouri and West Central Illinois, led to flooding on Mississippi River tributaries, which in turn led to a third crest on the Mississippi River, along with prolonged flooding. The third crest was higher than the second crest, from Burlington southward. Once the Mississippi River began falling, it fell rapidly at times. During the falling limb, Mississippi River stage changes over 24 hour periods were as much as around 1 foot or more. Listed are the crests for the month of May for points along the Mississippi River: Dubuque Lock and Dam 11, 22.14 feet on the 6th; Dubuque 23.81 feet on the 6th; Bellevue Lock and Dam 12, 21.36 feet on the 6th; Fulton Lock and Dam 13, 22.07 feet on the 7th; Camanche 22.58 feet on the 8th; Le Claire Lock and Dam 14, 15.96 feet on the 8th; Quad Cities Lock and Dam 15, 21.31 feet on the 8th; Illinois City Lock and Dam 16, 21.49 feet on the 11th; Muscatine 22.75 feet on the 11th; New Boston Lock and Dam 17, 22.33 feet on the 12th; Keithsburg 20.72 feet on the 12th; Gladstone Lock and Dam 18, 17.65 feet on 13th and 17.5 feet on the 14th; Burlington 21.71 feet on the 13th and 21.82 feet on the 15th; Keokuk Lock and Dam 19, 21.69 feet on the 12th and 22.94 feet on the 15th; Gregory Landing, 22.81 feet on the 12th. President Bush declared 10 counties in Iowa as federal disaster areas due to the flooding; Allamakee, Clayton, Clinton, Des Moines, Dubuque, Jackson, Lee, Louisa, Muscatine and Scott. Governor George Ryan declared disaster areas in 10 counties, including Carroll, Jo Daviess, Hancock, Henderson, Mercer, Rock Island and Whiteside. Damage estimates were well into the millions of dollars, with several thousand labor hours involved in flood fighting efforts. The city of Dubuque's flood costs alone were nearly a half million dollars.

Rock Island County
Port Byron

10 2011CST 0 0 2K Thunderstorm Wind
Several trees downed. Reported by trained storm spotter.

Whiteside County
Fulton

10 2020CST 0 0 10K Thunderstorm Wind
Strong winds downed 3 large trees and blew over a small greenhouse. Numerous tree limbs and power lines were also downed. Reported by law enforcement and emergency management. Initial reports by law enforcement and the public indicated a tornado, but a post storm survey conducted by emergency management indicated the damage was due to strong straight line winds.

Rock Island County
Port Byron

10 2111CST 0 0 30K Thunderstorm Wind
High winds caused damage in the Oak Grove Cemetery. Numerous tree limbs and a few trees were downed, damaging a few headstones. Reported by newspaper.

Mercer County
Viola

10 2129CST 0 0 Hail(0.75)
Penny sized hail lasted 2 to 3 minutes. Reported by public.

Mercer County
8 S Viola

10 2140CST 0 0 Hail(1.00)
Quarter sized hail reported by public.



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ILLINOIS, Northwest

Mercer County

8 S Viola

10 2140CST

0 0

Thunderstorm Wind (E52)

60 mph wind gust estimated by public lasting for 2 to 3 minutes.

Event summary for 5/10/01:

Scattered strong to severe thunderstorms developed over Central Iowa during the afternoon ahead of a slow moving cold front. The thunderstorms continued to develop and increase in coverage as they moved into Eastern Iowa during the late afternoon and early evening before reaching Northwest Illinois by mid evening. The storms were aided by strong surface based instability and a strong wind maxima in the mid levels of the atmosphere. The thunderstorms produced penny to quarter sized hail and strong damaging winds.

Warren County

Monmouth

17 0200CST

0 0

Thunderstorm Wind (E52)

Law enforcement estimated winds reached 60 mph for nearly 5 minutes.

Mercer County

Keithsburg

17 0700CST

0 0

Urban/Sml Stream Fld

Heavy rain of near 3 inches brought Pope creek out of it's bank near Keithsburg, closing a few gravel roads. Back water from the flooded Mississippi river also contributed to the minor flooding along the creek.

Mercer County

New Boston

17 0700CST

0 0

Urban/Sml Stream Fld

Heavy rain of near 3 inches brought Edwards river out of it's bank near New Boston.

Bureau County

Mineral

**20 2325CST
2335CST**

0 0

50K

Thunderstorm Wind

At approximately 12:25 AM CDT on the 21st, strong winds associated with a line of showers and a few thunderstorms blew through the east side of Mineral. The strong winds produced widespread damage. Several trees were uprooted, and numerous limbs and wires were downed. A large tree was split with part of the tree landing on an unoccupied pickup truck. Sheet metal was strewn throughout the city. The attic windows in one home were blown out by the strong winds. A shed in the backyard of another residence, was completely lifted off it's foundation and turned upside down. Area residents believed the winds were tornadic, however a survey conducted by a National Weather Service meteorologist revealed that the damage was due to strong straight line winds, estimated at between 60 mph and 80 mph.

Whiteside County

Fulton

22 1310CST

0 0

0.20K

Thunderstorm Wind

Large tree blown down on Chase Road reported by law enforcement.

IOWA, East Central and Southeast

IAZ042-054-066>068-078- Dubuque - Jackson - Clinton - Muscatine - Scott - Louisa - Des Moines - Lee
089-099

**01 0100CST
30 0615CST**

0 0

Flood

Widespread major to near record flooding continued on the Mississippi River into May. The month began with continued major flooding along the Mississippi River generally from Burlington northward, and moderate flooding south of Burlington. Continued rain, heavy at times, kept the river above flood stage for most of May. In fact heavy rains helped lead to a second crest on the Mississippi River. This second crest was higher than the first crest, from Keithsburg southward. Persistent heavy rains, especially over Southeast Iowa, Northeast Missouri and West Central Illinois, led to flooding on Mississippi River tributaries, which in turn led to a third crest on the Mississippi River, along with prolonged flooding. The third crest was higher than the second crest, from Burlington southward. Once the Mississippi River began falling, it fell rapidly at times. During the falling limb, Mississippi River stage changes over 24 hour periods were as much as around 1 foot or more. Listed are the crests for the month of May for points



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IOWA, East Central and Southeast

along the Mississippi River: Dubuque Lock and Dam 11, 22.14 feet on the 6th; Dubuque 23.81 feet on the 6th; Bellevue Lock and Dam 12, 21.36 feet on the 6th; Fulton Lock and Dam 13, 22.07 feet on the 7th; Camanche 22.58 feet on the 8th; Le Claire Lock and Dam 14, 15.96 feet on the 8th; Quad Cities Lock and Dam 15, 21.31 feet on the 8th; Illinois City Lock and Dam 16, 21.49 feet on the 11th; Muscatine 22.75 feet on the 11th; New Boston Lock and Dam 17, 22.33 feet on the 12th; Keithsburg 20.72 feet on the 12th; Gladstone Lock and Dam 18, 17.65 feet on the 13th and 17.5 feet on the 14th; Burlington 21.71 feet on the 13th and 21.82 feet on the 15th; Keokuk Lock and Dam 19, 21.69 feet on the 12th and 22.94 feet on the 15th; Gregory Landing, 22.81 feet on the 12th. President Bush declared 10 counties in Iowa as federal disaster areas due to the flooding; Allamakee, Clayton, Clinton, Des Moines, Dubuque, Jackson, Lee, Louisa, Muscatine and Scott. Governor George Ryan declared disaster areas in 10 counties, including Carroll, Jo Daviess, Hancock, Henderson, Mercer, Rock Island and Whiteside. Damage estimates were well into the millions of dollars, with several thousand labor hours involved in flood fighting efforts. The city of Dubuque's flood costs alone were nearly a half million dollars.

Henry County **Mt Pleasant**

03 2015CST **0 0** **Urban/Sml Stream Fld**
2 inches of rain produced street flooding. Reported by law enforcement

Clinton County **Charlotte**

08 1445CST **0 0** **Hail(1.75)**
Golf ball sized hail reported by general public.

Buchanan County **2 NE Hazleton**

10 1610CST **0 0** **Hail(1.00)**
Quarter sized hail stripped trees of leaves and covered the ground to a depth of 1 to 2 inches.

Buchanan County **.5 W Aurora**

10 1614CST **0.1 10 0 0** **Tornado (F0)**
A tornado touched down briefly at the west edge of Aurora. No damage was reported.

Buchanan County **Aurora**

10 1624CST **0 0** **Hail(1.00)**
Quarter sized hail reported by emergency management.

Buchanan County **2 N Aurora**

10 1630CST **0 0 20K** **Lightning**
Lightning struck a barn and sparked a fire, which destroyed the building. No injuries occurred. Reported by newspaper.

Delaware County **3 N Dundee**

10 1638CST **0.1 10 0 0** **Tornado (F0)**
A tornado touched down briefly just west of Backbone State Park. No damage was reported.

Iowa County **Victor**

10 1655CST **0 0** **Hail(1.00)**
Quarter sized hail reported by law enforcement.

Delaware County **2 N Colesburg**

10 1710CST **0 0** **Hail(1.00)**
Quarter sized hail reported by emergency management.

Iowa County **Ladora**

10 1715CST **0 0** **Hail(1.00)**
Quarter sized hail reported by law enforcement.

Iowa County **Marengo**

10 1715CST **0 0** **Hail(1.00)**
Quarter sized hail reported by law enforcement.

Iowa County **3 NE Ladora**

10 1724CST **0 0** **Funnel Cloud**
Reported by trained storm spotter.



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<u>IOWA, East Central and Southeast</u>									
Benton County									
1 W Walford	10	1744CST			0	0		Funnel Cloud	
		Reported by trained storm spotter.							
Benton County									
1 W Walford	10	1744CST			0	0		Hail(1.00)	
		Quarter sized hail reported by trained storm spotter.							
Benton County									
Vinton	10	1751CST			0	0		Thunderstorm Wind (E52)	
		60 mph wind gust estimated by trained storm spotter.							
Linn County									
Cedar Rapids	10	1752CST			0	0		Hail(1.00)	
		Quarter sized hail reported by trained storm spotter.							
Linn County									
2 W Fairfax	10	1752CST			0	0		Hail(1.75)	
		Golfball sized hail reported by trained storm spotter.							
Johnson County									
5 NW Oxford	10	1755CST			0	0		Funnel Cloud	
		Reported by law enforcement.							
Johnson County									
2 W Swisher	10	1758CST			0	0		Funnel Cloud	
		Reported by law enforcement.							
Linn County									
(Cid)Cedar Rapids Ar	10	1806CST			0	0		Funnel Cloud	
		Reported by public.							
Linn County									
Cedar Rapids	10	1806CST			0	0	50K	Hail(1.75)	
		Golfball sized hail reported by trained storm spotter. Several vehicles had either minor dents or needed extensive body work. Reported by newspaper.							
Linn County									
Fairfax	10	1806CST			0	0		Funnel Cloud	
		Reported by trained storm spotter.							
Linn County									
Cedar Rapids	10	1810CST			0	0		Hail(1.75)	
		Quarter to golfball sized hail covering the ground. Reported by trained storm spotter.							
Linn County									
Cedar Rapids	10	1815CST			0	0		Urban/Sml Stream Fld	
		1.67 inches of rain fell in just over one hour causing minor street flooding. Reported by trained storm spotter.							
Benton County									
Vinton	10	1817CST			0	0		Urban/Sml Stream Fld	
		Minor street flooding reported by emergency management.							
Linn County									
Alburnett	10	1820CST			0	0		Hail(1.00)	
		Quarter sized hail reported by trained storm spotter.							
Linn County									
Cedar Rapids	10	1820CST			0	0		Funnel Cloud	
		Reported by public.							
Linn County									
1 W Mt Vernon	10	1825CST			0	0		Funnel Cloud	
		Two funnel clouds reported by trained storm spotters.							



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<u>IOWA, East Central and Southeast</u>									
Linn County 2 S Prairieburg	10	1825CST			0	0			Funnel Cloud
		Reported by trained storm spotter.							
Benton County 4 S Vinton	10	1833CST			0	0			Urban/Sml Stream Fld
		Water covered portions of U.S. Highway 218. Reported by emergency management.							
Linn County Palo	10	1835CST			0	0	50K		Thunderstorm Wind (EG52)
		Grain silos and a cabin were damaged. Reported by trained storm spotters.							
Linn County Toddville	10	1839CST			0	0	2K		Thunderstorm Wind (EG52)
		Numerous trees and power lines downed. Reported by emergency management.							
Johnson County Coralville	10	1843CST			0	0			Funnel Cloud
		Two funnel clouds reported by public.							
Iowa County Ladora	10	1845CST			0	0			Hail(0.75)
		Penny sized hail reported by trained storm spotter.							
Jones County Morley	10	1850CST			0	0			Thunderstorm Wind (E52)
		60 mph wind gust estimated by trained storm spotter.							
Jones County Olin	10	1850CST			0	0			Funnel Cloud
		Reported by trained spotter.							
Johnson County 2 W Tiffin	10	1857CST			0	0			Funnel Cloud
		Reported by public.							
Johnson County 3 W Iowa City	10	1904CST			0	0			Funnel Cloud
		Reported by public.							
Johnson County 3 SW Iowa City	10	1915CST			0	0			Hail(0.75)
		Penny sized hail reported by a trained storm spotter.							
Clinton County Lost Nation	10	1925CST			0	0			Hail(1.75)
		Golfball sized hail reported by law enforcement.							
Cedar County Springdale	10	1933CST			0	0			Thunderstorm Wind (M57)
		65 mph wind gust measured by trained storm spotter.							
Clinton County 7 N Calamus	10	1933CST			0	0			Funnel Cloud
		Reported by public.							
Johnson County 3 E Amish	10	1937CST			0	0			Funnel Cloud
		Reported by public.							
Muscatine County Wilton	10	1945CST			0	0	1K		Thunderstorm Wind (EG52)
		Several large tree limbs downed. Reported by Newspaper.							



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					Killed	Injured	Property Crops	

IOWA, East Central and Southeast

Keokuk County

What Cheer **10** **1948CST** **0** **0** **Hail(1.00)**
Quarter sized hail reported by trained storm spotter.

Scott County

1 NW Blue Grass **10** **1955CST** **0** **0** **Funnel Cloud**
Two funnel clouds reported by trained storm spotter.

Scott County

Davenport Arpt **10** **1955CST** **0** **0** **Thunderstorm Wind (M50)**
58 mph wind gust measured by ASOS equipment.

Scott County

Le Claire to **10** **2018CST** **0.5** **70** **0** **0** **75K** **Tornado (F0)**
.5 E Le Claire **2023CST**

A tornado touched down in northwest LeClaire, Iowa and was on the ground for 5 minutes carving a one half mile path to the Mississippi River. The tornado was on the ground about the length of Walnut Street in northern LeClaire, east to the Mississippi River across Highway 67. Numerous trees and power lines were downed. No injuries or fatalities occurred.

Event summary for 5/10/01:

Scattered strong to severe thunderstorms developed over Central Iowa during the afternoon ahead of a slow moving cold front. The thunderstorms continued to develop and increase in coverage as they moved into Eastern Iowa during the late afternoon and evening. The storms were aided by strong surface based instability and a strong wind maxima in the mid levels of the atmosphere. Numerous reports of funnel clouds were received. The thunderstorms also produced penny to golfball sized hail and strong damaging winds. There were 3 brief tornado touchdowns. One occurred near Aurora in Buchanan County, with the others occurring near Backbone State Park in Delaware County, and in LeClaire in Scott County. No damage was reported with either the Buchanan or Delaware County tornadoes, however the LeClaire tornado caused widespread tree damage. Some of the storms produced torrential rain, leading to minor flooding.

Keokuk County

What Cheer **13** **2235CST** **0** **0** **Hail(1.00)**
Nickel to quarter sized hail reported by law enforcement.

Van Buren County

Keosauqua **14** **0018CST** **0** **0** **Hail(0.75)**
Penny sized hail reported by fire and rescue.

Van Buren County

Farmington **14** **0057CST** **0** **0** **Urban/Sml Stream Fld**
Small stream flooding reported by trained spotter. Normally dry creek out of it's banks covering road.

Van Buren County

Countywide **14** **0101CST** **0** **0** **Flash Flood**
6 inches of water covering W20 and Highway 2. Flooding reported in the towns of Keosauqua and Mount Sterling. Reported by law enforcement.

Keokuk County

5 E Sigourney **14** **0202CST** **0** **0** **Flash Flood**
Water over Highway 92 east of the Keota junction. Reported by law enforcement official.

IAZ088

Henry

14 **0400CST** **0** **0** **High Wind (M49)**
Emergency management recorded a 57 mph wind gust in Mount Pleasant. The strong wind tipped over a semi trailer.



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IOWA, East Central and Southeast

Henry County

Mt Pleasant **14** **0500CST** **0** **0** **Urban/Sml Stream Fld**
Small stream flooding reported by emergency management. Water into the basements of a few residences

Des Moines County

Burlington **14** **0630CST** **0** **0** **0.50K** **Thunderstorm Wind**
Tree blown down on a power distribution line. Reported by emergency management.

Scott County

Davenport **14** **0700CST** **0** **0** **Urban/Sml Stream Fld**
Water over 22325 80th Avenue reported by law enforcement.

Scott County

Davenport **14** **0700CST** **0** **0** **Urban/Sml Stream Fld**
Duck creek just out of it's banks at the 17000 block in Davenport. Reported by law enforcement.

Scott County

Walcott **14** **0700CST** **0** **0** **Urban/Sml Stream Fld**
Water over Old Highway 6 reported by law enforcement.

Des Moines County

Burlington **14** **0747CST** **0** **0** **Urban/Sml Stream Fld**
Urban flooding. Emergency management reported 2.5 feet of water in the basement of the fire department.

Event Summary for 5/13/01-5/14/01:

Strong to severe thunderstorms lifted slowly northeast from Missouri into portions of Eastern Iowa during the late evening and overnight hours. The storms produced a few reports of strong damaging winds and hail between penny and quarter size. An intense thunderstorm over Farmington in Van Buren County produced half inch hail covering the ground for 5 minutes. During the overnight and early morning, thunderstorms continuously redeveloped over some locations which lead to torrential rainfall and reports of flooding. Farmington reported 5.6 inches of rainfall. Heavy rains of 1.5 to 3 inches fell in Davenport, which brought Duck Creek out of it's banks in many areas, mainly onto the bike path and other low areas. Some of the higher rainfall amounts from the Duck Creek gage sites included 2.61 inches at 110th Avenue, 2.52 inches near Walcott, 2.09 inches at Fairmont, and 1.50 inches at Silver Creek and County Shed.

Johnson County

North Liberty **17** **0040CST** **0** **0** **2K** **Thunderstorm Wind**
Large dog kennel blown over and pieces of home siding blown off.

Louisa County

1 W Wapello **17** **0105CST** **0** **0** **1K** **Thunderstorm Wind**
Large tree blown down across a county road.

Scott County

Davenport Arpt **17** **0142CST** **0** **0** **Thunderstorm Wind (M51)**

MISSOURI, Northeast

MOZ010

Clark

01 **0100CST** **0** **0** **Flood**
27 **2200CST**

Widespread major to near record flooding continued on the Mississippi River into May. The month began with continued major



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MISSOURI, Northeast

flooding along the Mississippi River generally from Burlington northward, and moderate flooding south of Burlington. Continued rain, heavy at times, kept the river above flood stage for most of May. In fact heavy rains helped lead to a second crest on the Mississippi River. This second crest was higher than the first crest, from Keithsburg southward. Persistent heavy rains, especially over Southeast Iowa, Northeast Missouri and West Central Illinois, led to flooding on Mississippi River tributaries, which in turn led to a third crest on the Mississippi River, along with prolonged flooding. The third crest was higher than the second crest, from Burlington southward. Once the Mississippi River began falling, it fell rapidly at times. During the falling limb, Mississippi River stage changes over 24 hour periods were as much as around 1 foot or more. The Mississippi River at Gregory Landing crested at 22.81 feet on the 15th.

Clark County

Kahoka	03	1956CST			0	0	0.50K	Thunderstorm Wind
Law enforcement reported several tree limbs and a power pole down.								

Scotland County

Memphis	13	2040CST			0	0		Hail(0.88)
Nickel sized hail reported by cooperative observer								

Scotland County

Memphis	13	2051CST			0	0		Hail(0.75)
Penny sized hail reported by law enforcement.								

Scotland County

Memphis	13	2055CST			0	0		Hail(1.00)
Quarter sized hail covering the ground. Reported by law enforcement.								

Scotland County

Countywide	13	2100CST			0	0		Flash Flood
1 to 2 feet of water along with other debris and floating logs covered many county roads, resulting in numerous road closures. Reported by law enforcement official.								

Scotland County

Memphis	13	2105CST 2108CST			0	0		Hail(0.75)
Penny sized hail fell for 3 minutes. Reported by trained spotter.								

Scotland County

Countywide	13	2203CST			0	0		Flash Flood
Lakes of water up to a quarter mile wide covering several county roads. Street flooding also reported in Memphis. Reported by law enforcement official.								

Clark County

Kahoka	14	0227CST			0	0		Flash Flood
Water over Highway 81 on the approach to Kahoka. Reported by law enforcement								

Event Summary for 5/13/01-5/14/01:

Strong to severe thunderstorms developed over Northeast Missouri during the evening of the 13th. Initially the storms produced large hail up to 1 inch in diameter, gusty winds and heavy rain. During the late evening and overnight hours the threat shifted to torrential rain and flooding, as thunderstorms continuously redeveloped over the region. Hardest hit was Scotland county, where Doppler radar estimated between 3 to 7 inches of rain fell, resulting in widespread flooding and road closures. High water threatened some residents in Memphis nearly prompting evacuations.